

GLADIUS mini

Introduction



Chasing-Innovation Technology Co.,Ltd.
www.chasing-innovation.com



Conquer the Waters



GLADIUS MINI is the first five thruster minisize underwater drone in the world. Equipped with a 4K ultra HD camera, it can dive up to 330 feet deep and is perfect for underwater photography and exploring.

On the basis of generation product, it increases the depth mode and $\pm 45^\circ$ adjustable tilt-lock mode, can be used for underwater filming and underwater inspection.

The submarine's fuselage and five-propeller design make the GLADIUS MINI more stable and easier to operate while filming underwater.

It can be used for diving photography, yacht entertainment and scientific exploration and inspection of many industries (hull quay, fish culture, reservoir dam, etc.).



4K UHD Camera



Portable Backpack



One Touch
Lock-Depth Mode



$\pm 45^\circ$ Adjustable
Tilt-Lock Mode



One Touch
Share on Social



Dive to 330ft



Live Stream
(YouTube/Facebook)



2hr Runtime

Thrusters



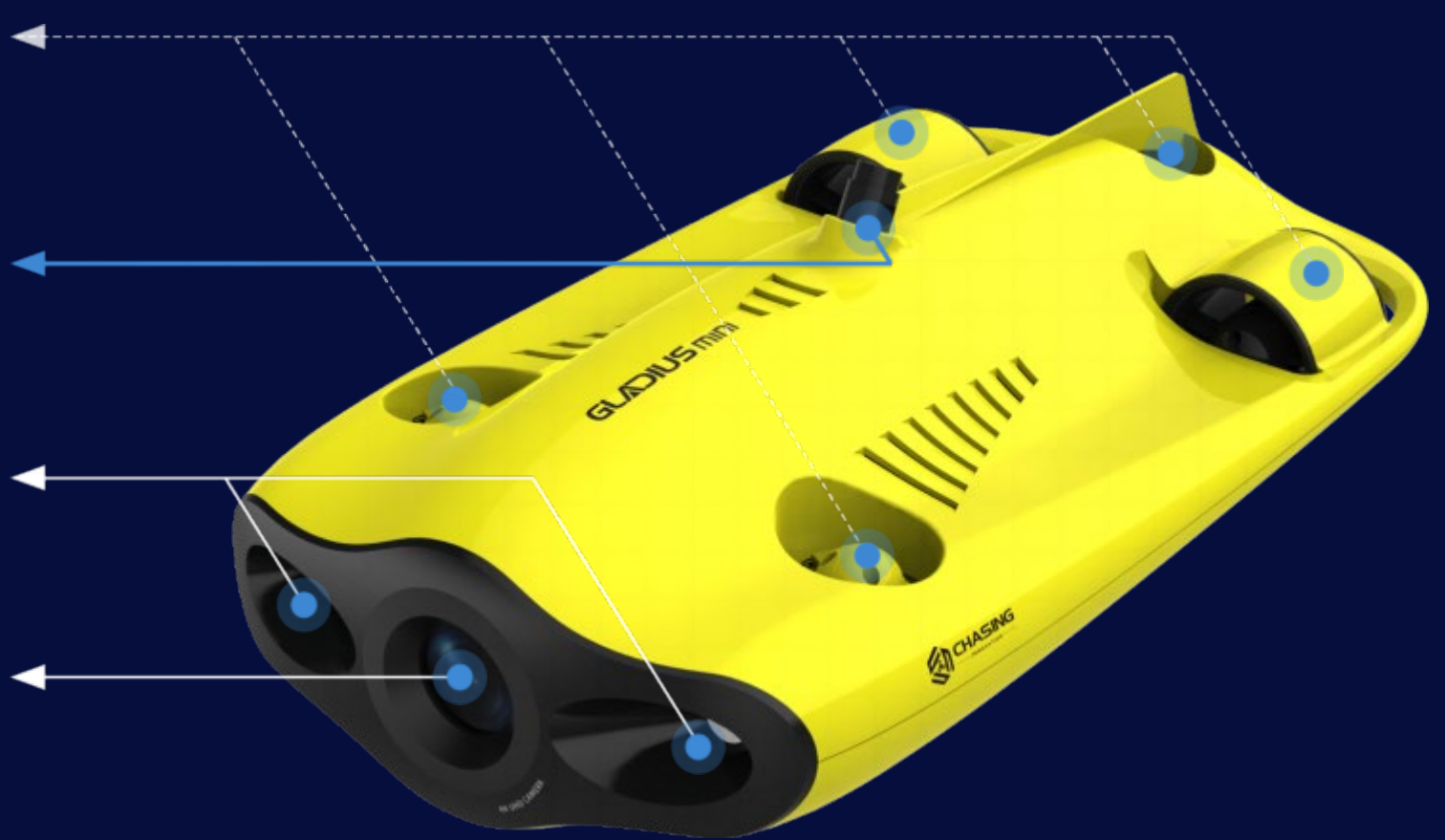
Tether Connector



LED Lights



4K Ultra HD Camera

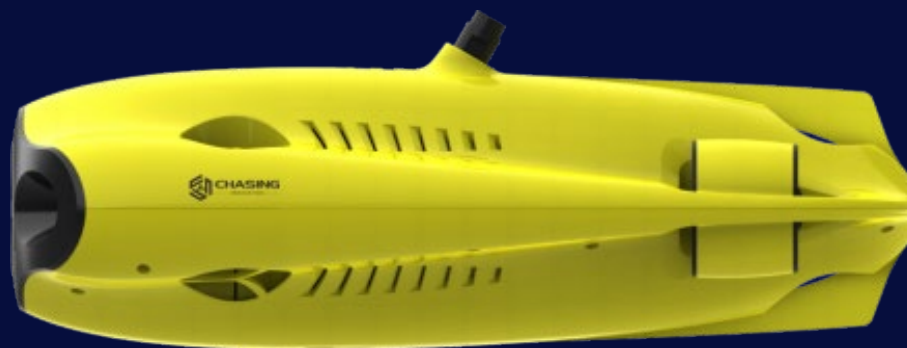




Width 8.9 in



Thickness
5.4 in



Length 15.2 in

Main Components





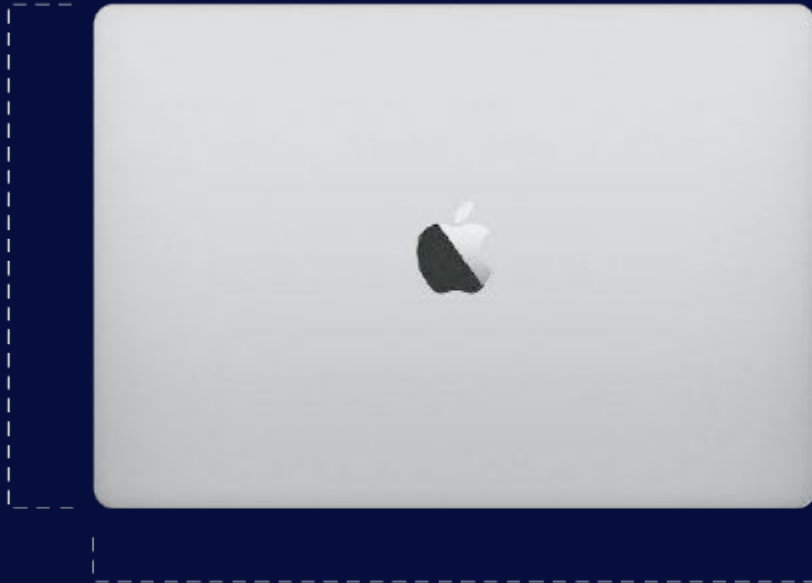
Portable

One Backpack,
Take your trip right away.

MACBOOK PRO

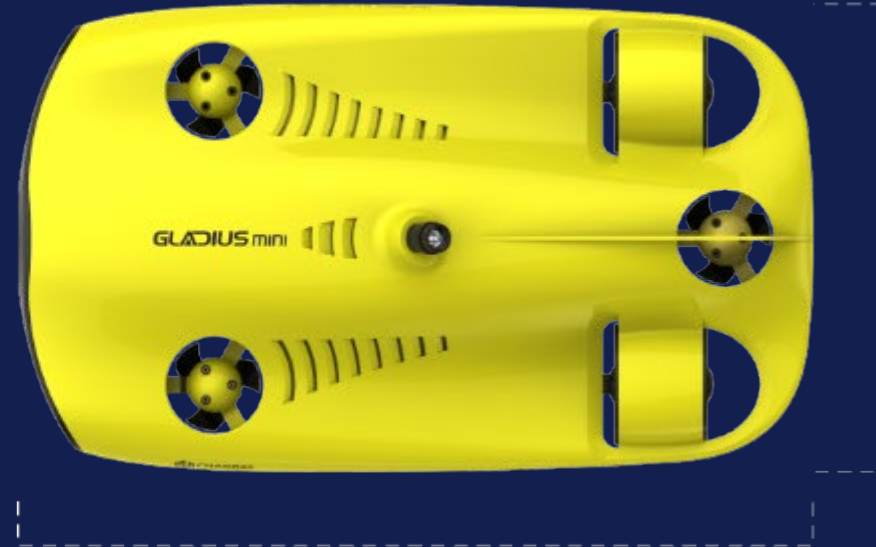
15" screen

9.4 in



13.7 in

GLADIUS MINI



8.9 in

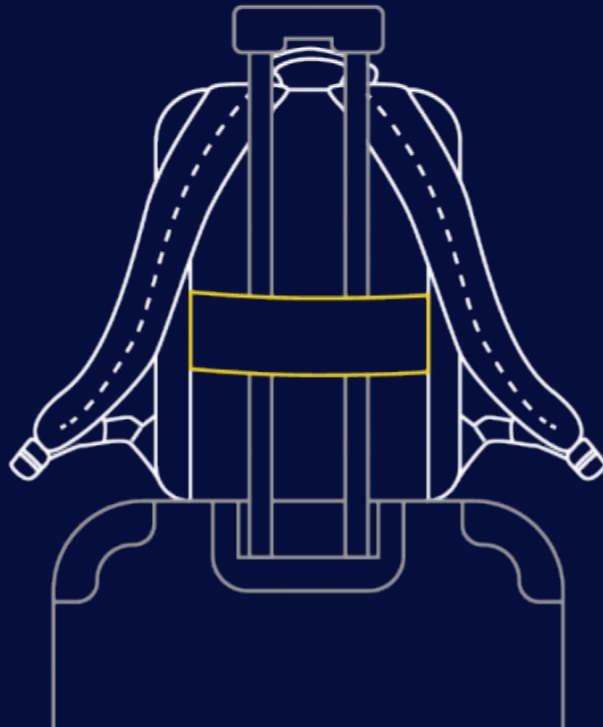
15 in

Portable

Grab your backpack and start your adventure

- Even in complex environments.
- Reflective strips protect you in the dark .

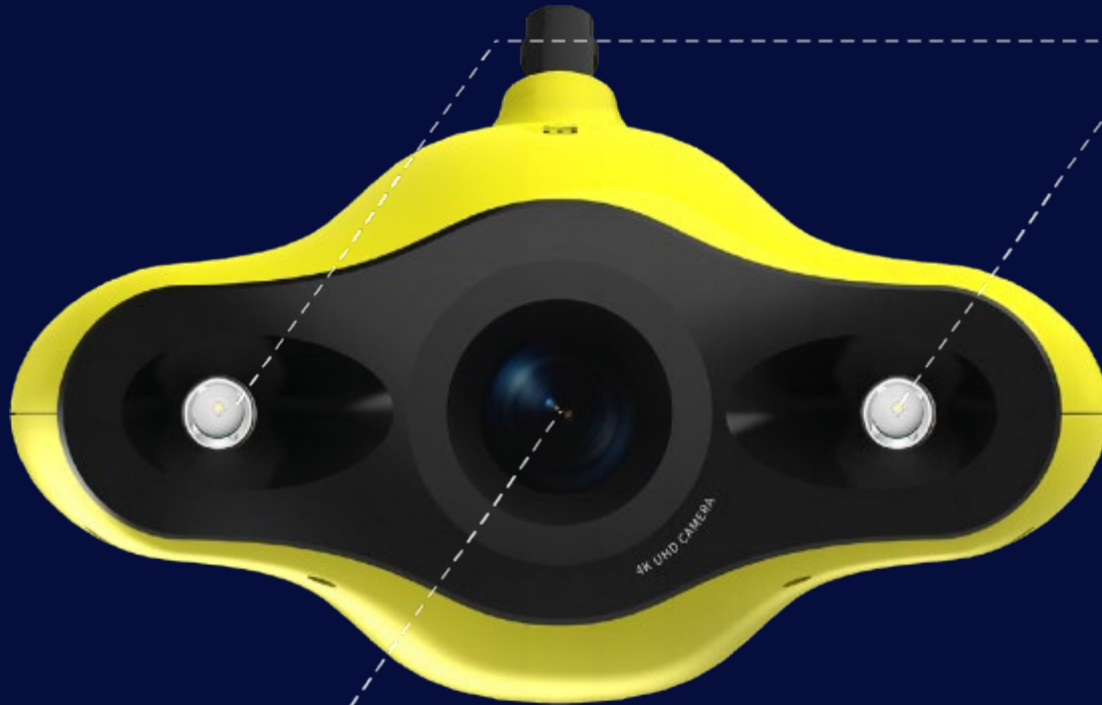
Weight: <5.5lbs



A full-page background image showing a diver in clear blue water. The diver is wearing a black mask and a yellow underwater scooter. They are reaching out with their right hand towards the camera. The water is bright blue, and the seabed with some rocks is visible in the lower right.

4K UHD Photography

Illuminate the underwater world.



LED Lights

Brightness: 1200 lumens (Adjustable)

Color Temperature : 4500K

CRI: 80

4K UHD Camera

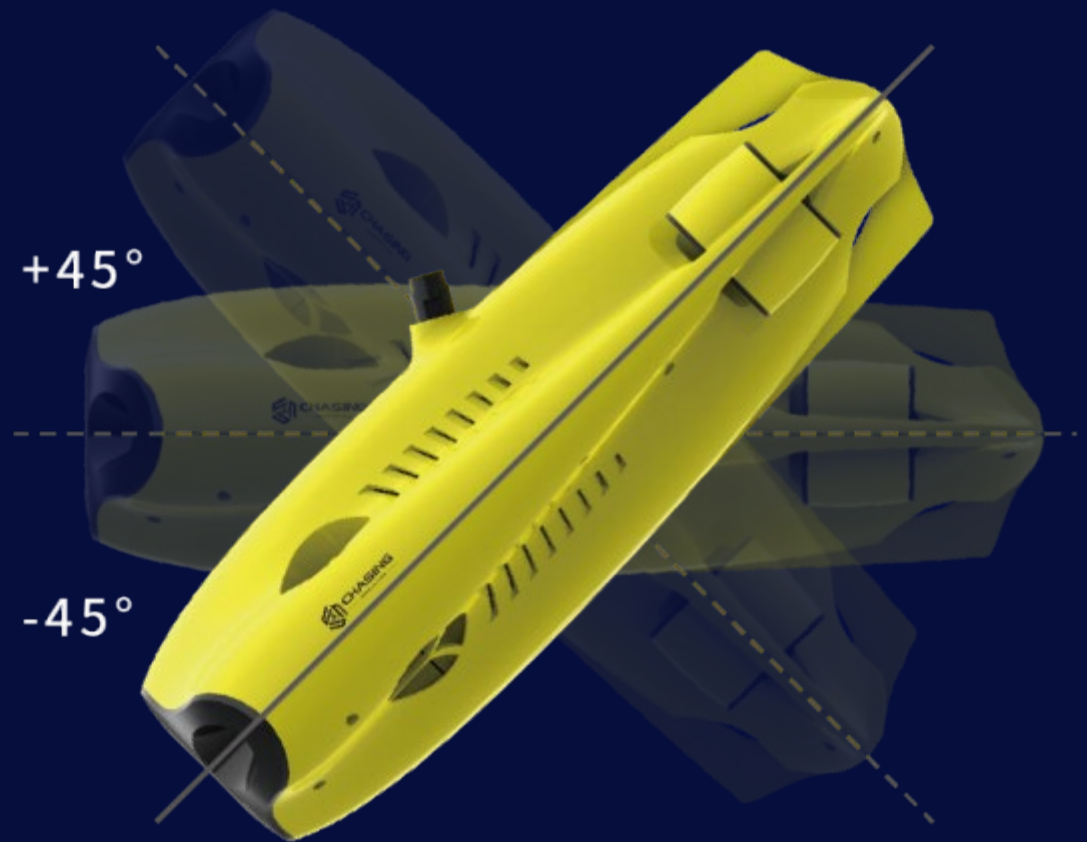
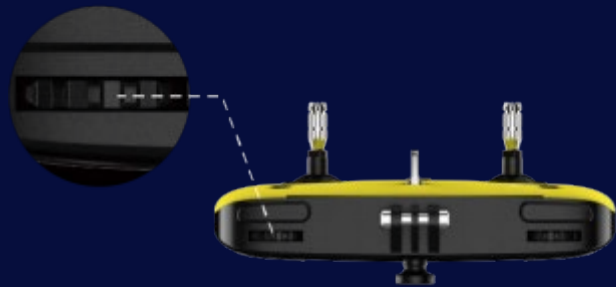
Video Resolution: 3840*2160 30FPS

Photo Pixel: 12M

Lens: F2.8 FOV=95°

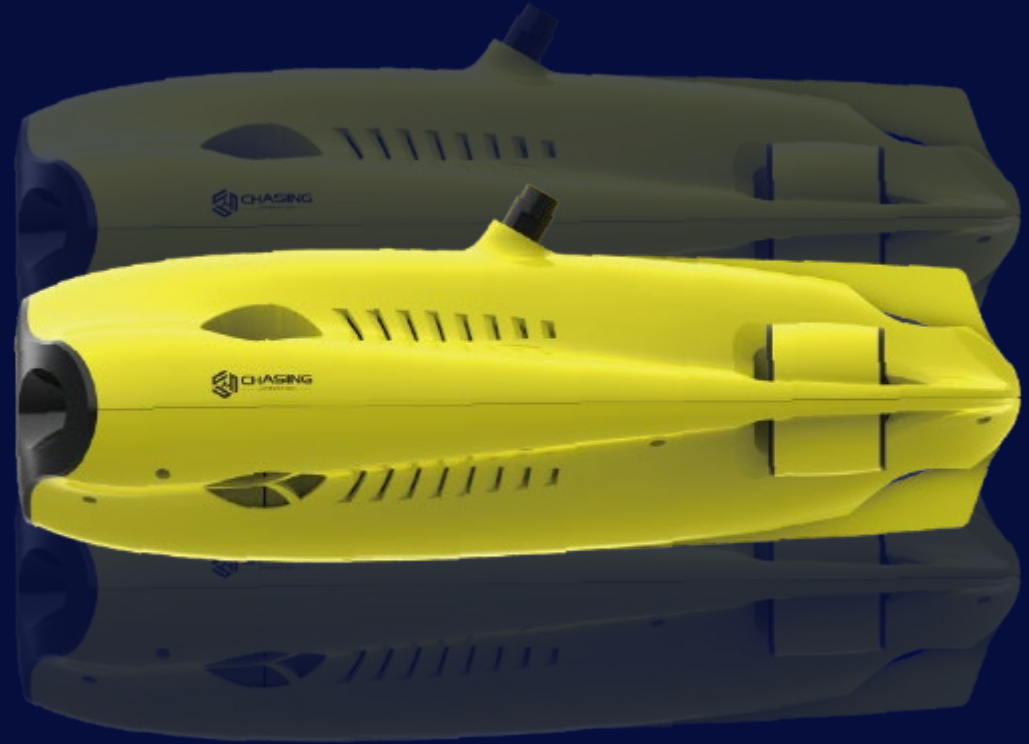
$\pm 45^\circ$ Adjustable Tilt-Lock Mode

The drone's pitching angle can be adjusted by $\pm 45^\circ$.
while can move forward or backward in Tilt-Lock Mod.



Depth-Lock Mode

The Depth-Lock mode can be set by One-Button on the controller. The drone can hover at a fixed depth in the water or is able to move vertically in this mode.



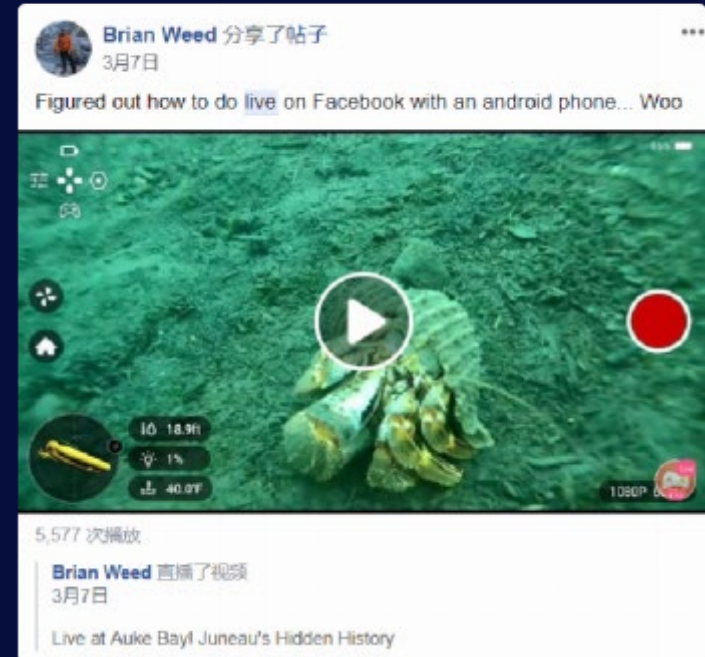
A woman with long brown hair is shown from the side, holding a yellow GoPro remote. She is standing on a dark, layered rock formation. In the background, there is a blue ocean with white waves crashing against the rocks. A small building with a palm tree is visible on a hill in the distance under a blue sky with white clouds. A semi-transparent dark blue rectangle is overlaid on the left side of the image, containing the text 'Real-time Share' and 'Show your underwater adventures to everyone.'

Real-time Share

Show your underwater adventures to everyone.

Live Stream Online

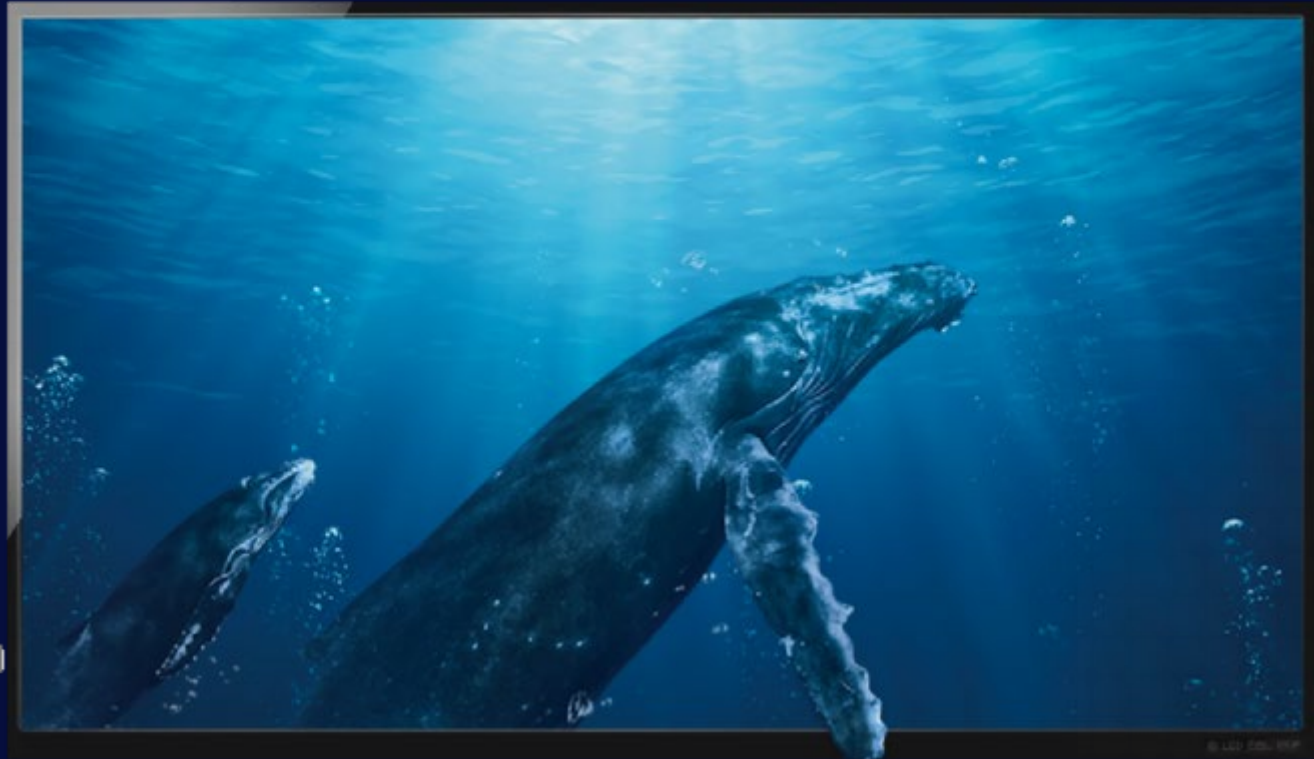
Let the whole world see your underwater adventure in real-time.



Share on a Big Screen

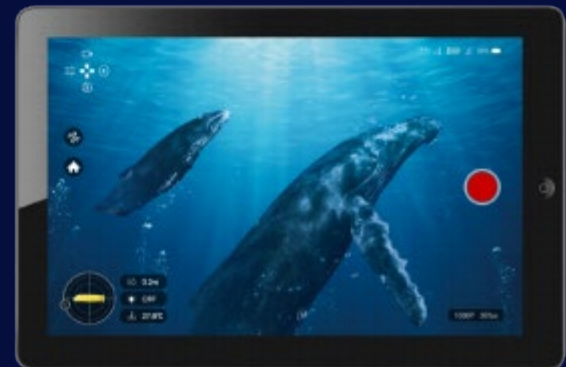
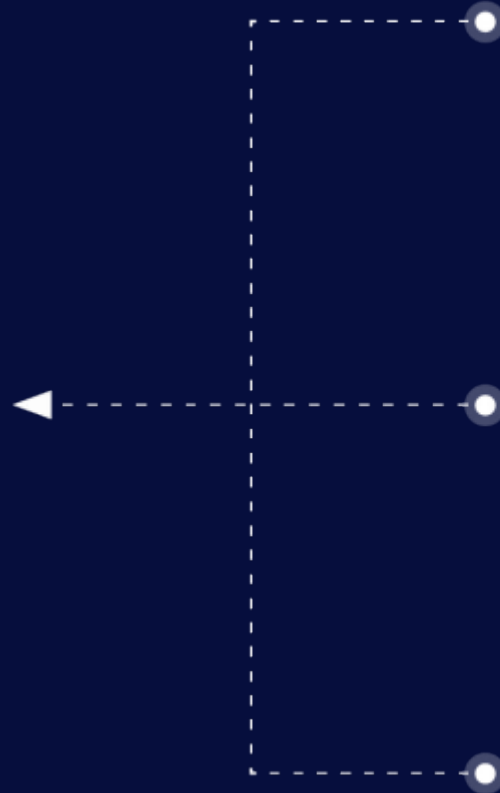


HDMI



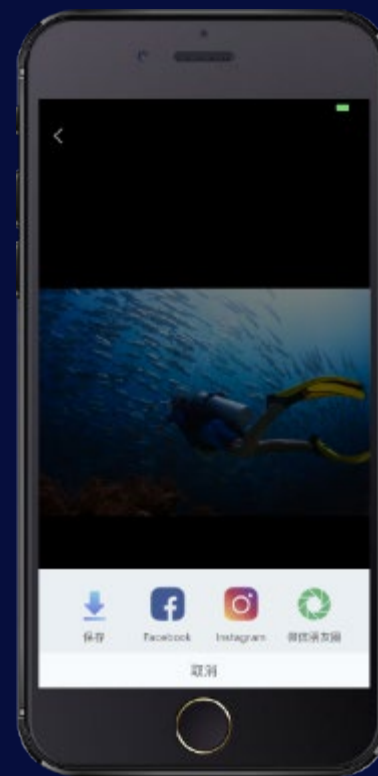
Share on Multiple Devices

Be able to support Max. three smartphones or tablets wirelessly connect to drone at same time.
One as master device, and other two as slave devices (watch only).



Real-time Share

Quickly share the highlights from the deep sea.





Explore

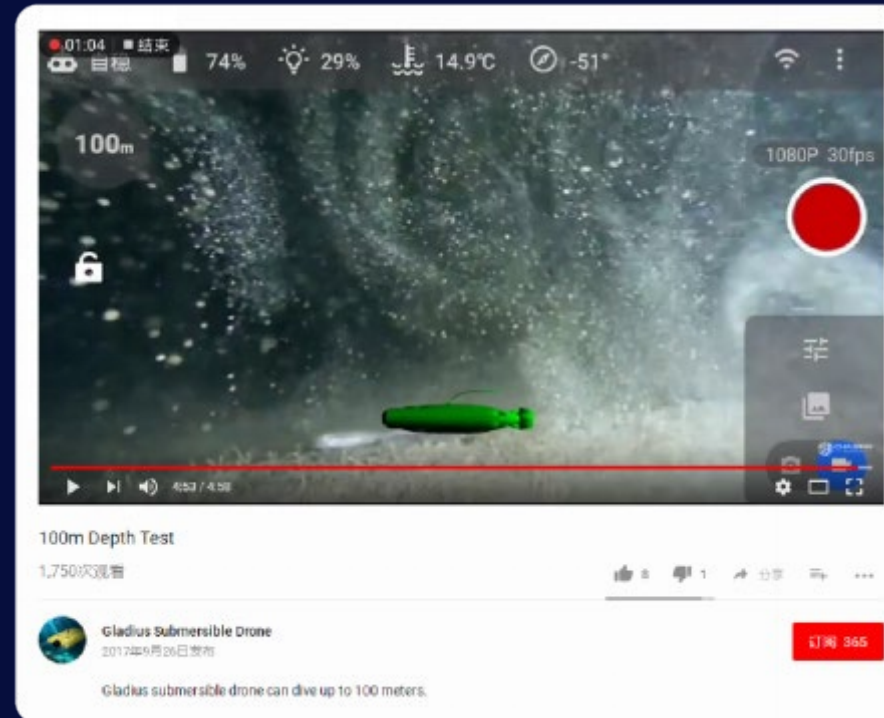
More Underwater Unknown

Dive to 330ft

Dive deeper, More adventure.



165ft Tether (Default)

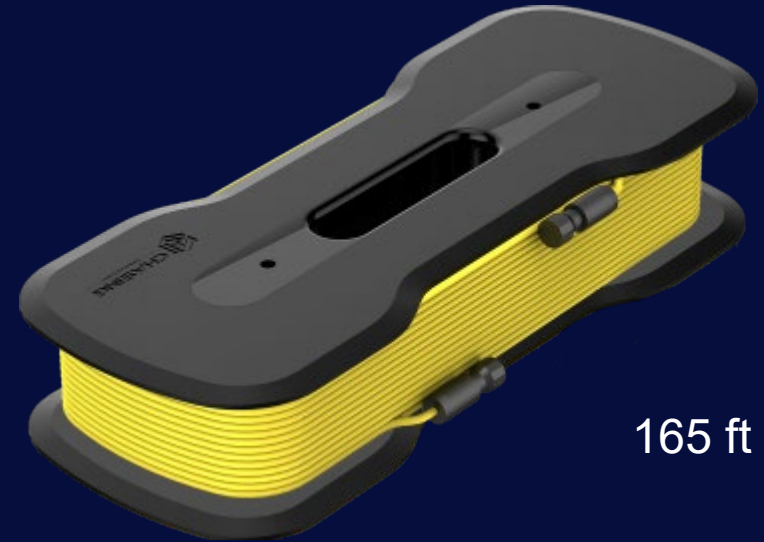


Click to [see](#) full video

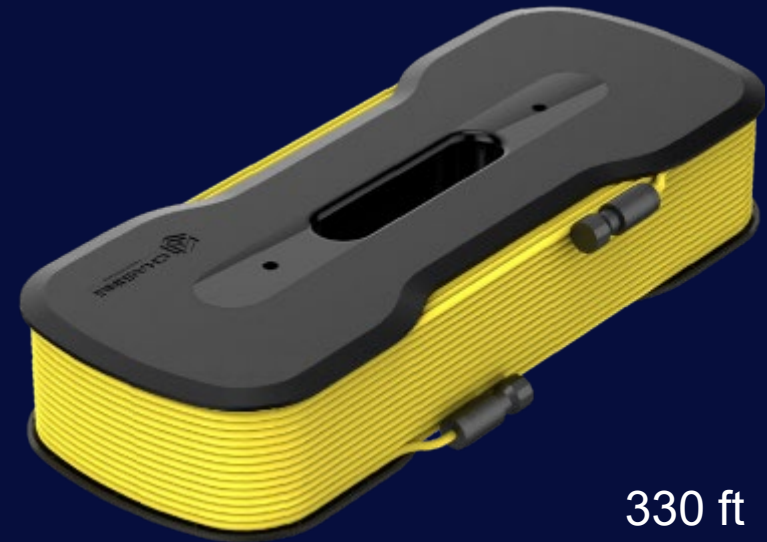
Replaceable Tether

Double connectors Default 165ft.

Allow users to change the tether and extend the cruise range and explore more of the unknown. (Optional 330ft or 660ft tether)



165 ft



330 ft

An underwater scene featuring a diver in the foreground and a yellow ROV in the background. The diver is wearing a blue mask and a blue regulator, and is holding a yellow ROV. The ROV is a small, yellow, rectangular device with a camera lens and a light. It is connected to a thin cable. The background is a clear blue ocean with some sunlight filtering through the water.

Great User Experience

GLADIUS MINI is fun and easy to use.

Game-like Controller

Support 5inch phones to 10.5inch tablets, compatible with IOS and Android system.

 iPhone  Android



VR Immersive Experience



Small Size, Long Battery Life



Charge 1.5hr
2hrs of use



Charge 1.5hr
6hrs of use

Removable TF Card, Easy to Download.

TF card interface allow user to insert their TF card to download the photos and videos.



Application For Consumers



【 Dive Photography】

It can record the whole diving activities in high definition video, help the diving center to find the diving spot, and shoot teaching video, etc.



【Island Tourism】

Enjoy a sunny beach with your traveling companions, explore the ocean floor without diving, and enjoy exploring and sharing the underwater world.



【Yacht And Fishing】

Yacht out to sea entertainment, looking for and observing underwater schools of fish, help players accurately hunt.

Application For Businesses

Underwater drones have huge demand and opportunities in the government and enterprise markets, including aquaculture monitoring. The application of hull dock inspection, reservoir dam inspection, municipal pipeline and pier inspection.

B



Aquaculture

China's fishing industry is huge, with data showing that there are 32,000 aquaculture farms across the country, covering 10 million hectares, while the global area is over 60 million hectares. Underwater robot GLADIUS MINI can replace the diver to realize real-time mobile monitoring of water quality and fish cage. Operators can operate on land, which can greatly reduce labor costs and make aquaculture monitoring more convenient and intelligent.



Hull Quay Cruise

There are more than 300,000 large vessels and hundreds of port terminals around the world, and ships in and out of the ports need to be cleaned and inspected regularly to improve fuel efficiency and reduce safety hazards. Underwater robot GLADIUS MINI can assist the ship cleaning, shoot and inspect before and after cleaning, and also conduct inspection on the wharf, to minimize the safety risks and escort ships to travel safely.



Reservoir dam, municipal pipeline & bridge pier inspection

Reservoir DAMS, municipal pipes and piers which are difficult for maintenance personnel to reach affect the safety of water conservancy projects, urban sewage discharge and bridge traffic. Underwater robot GLADIUS MINI can replace divers to conduct underwater inspection of DAMS, pipelines and bridge piers, avoid blind excavation and construction, save manpower and time, and ensure the safe operation of municipal facilities and water conservancy facilities.

Datasheet

ROV

Size	385x226x138mm
Battery Capacity	55.5Wh (5000mAh)
Weight	<2.5KG
Buoyancy	-10g~10g
Operating Temperature	-10°C~60°C
Maximum Depth	100m
Maximum Speed	4Kn (2m/s)
Maximum Rise/Fall Speed	2Kn(1m/s)
Maximum Flow Resistance	4Kn (2m/s)
Battery Life	2h(igo forward at L speed advances in the fixed depth mode)
Battery Cycle	>300 times

Base Station

Weight	<400g
Battery Capacity	29.25Wh (2500mAh)
Battery Life	≥6h (depending on the environment)
Battery Cycle	>300 times
HDMI Output	Yes
Micro SD (TF) Memory Recording	Yes
Size	151x107x45mm
Wireless WIFI Distance	≤10m

▲ Note: The base station is not waterproof and should not be put into water.

Sensor

IMU	Three-axis gyroscope/acceleration/compass
Depth Sensor	+/- 0.5m
Temperature Sensor	+/- 2°C

Camera

CMOS	1/2.3 inches
Aperture	F3.0
Focal Length	4.0mm
ISO Range	100-3200
Field of View	95°
Maximum Resolution of the Image	12M(4000*3000)
Picture Type	JPEG/DNG
Video Resolution	FHD:1920x1080 30Fps
	FHD:1920x1080 60Fps
	FHD:1920x1080 120Fps
	UHD:3840x2160(4K) 30fps
Video Maximum Stream	60M
Video Type	MP4
SD Card Memory	64G

Remote Controller

Working Frequency	2.4GHz-2.485GHz
Wireless Distance (Between smart device and controller)	<10m
Charging Time	1h
Battery Life	5h

▲ Note: Power on the remote controller while charging, so that you can see the battery indicator is on.

Winder & Tether

Weight	1.2kg(50m)/1.8kg(100m)
Tether	50m/100m

Adapter

adapter	3A/12.6V
ROV Charging Time	2h
Base Station Charging Time	1h

▲ Note: ROV and base station are used the same adapter.

Dimmable LED Lights

Brightness	2x1200LM
Color Temperature	4000K-5000K
CRI	80
Maximum Power	2x10W
Dimming	Manually adjustable

GLADIUS mini

Conquer the Waters



<https://www.facebook.com/GladiusUnderwaterDrone/>



<https://www.youtube.com/channel/UCFDkJXE2CkvkLrE8v-2ZpZA>



<https://www.instagram.com/gladiusunderwaterdrone/>

Chasing-Innovation Co., Ltd

e www.chasing-innovation.com

✉ sales@chasing-innovation.com